525 Rec'd P PTO 22 MAY 2000

TORNEY'S DOCKET NUMBER FORM PTO-1390 (REV 12-29-99) MENT OF COMMERCE PATENT AND TRADEMARK OFFICE 15280-3421PC TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (If known, see 37 CFR 1.5) CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/US98/25742 05/12/1997 04/12/1998 TITLE OF INVENTION VACCINES FOR BLOCKING TRANSMISSION OF PLASMODIUM APPLICANT(S) FOR DO/EO/US KASLOW, David C., TSUBOI, Takafumi, TORII, Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. X A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is transmitted herewith (required only if not transmitted by the International Bureau). has been transmitted by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). A translation of the International Application into English (35 U.S.C. 371(c)(2)). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are transmitted herewith (required only if not transmitted by the International Bureau). have been transmitted by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. A have not been made and will not be made. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11. to 16. below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. A substitute specification. A change of power of attorney and/or address letter. Other items or information:

U.S. APPLICATION NO. (if)	~55°4°9°6		TERNATIONAL APPLICATION NO. PCT/US98/25742		15280-	CKETNUMBER · 3421PC
17. X The fol	lowing fees are			 	CALCULATION	
BASIC NATION	AL FEE (37 C					
	national prelimin					
and Internation	onal search fee (onal Search Rep	ĺ	•			
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$840.00						
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$690.00						
International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$670.00						
International and all claims	preliminary exa satisfied provis					
	ENTER	\$ 840.00				
Surcharge of \$130 months from the		\$	·			
CLAIMS	NUMBER		NUMBER EXTRA	RATE		
Total claims	50	- 20 =	30	X \$18.00	\$ 540.00	
Independent claims	9	-3=	6	X \$78.00	\$ 468.00	
MULTIPLE DEPI				+ \$260.00	\$	
TOTAL OF ABOVE CALCULATIONS =					\$ 1848.00	
Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also by filed (Note 37 CFR 1.9, 1.27, 1.28).					\$	
SUBTOTAL =					\$ 1848.00	
Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					\$	
TOTAL NATIONAL FEE =					\$ 1848.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property					\$	
TOTAL FEES ENCLOSED =					\$ 1848.00	
		_			Amount to be refunded:	\$
					charged:	\$
a. A check in the amount of \$ to cover the above fees is enclosed.						
b. A duplicate copy of this sheet is enclosed. Please charge my Deposit Account No. 20-1430 in the amount of \$ 1848.00 to cover the above fees.						
c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-1430 . A duplicate copy of this sheet is enclosed.						
NOTE: Where 1.137(a) or (b))	e an appropria) must be filed	te time limie and granted	t under 37 CFR 1.494 or 1.495 I to restore the application to	5 has not been repending status.	met, a petition to r	evive (37 CFR
SEND ALL CORRES	PONDENCE TO			X	14.	
send all correspondence to: Kevin L. Bastian					- Jan Z	
Towensend and Townsend and Crew LLP						
Two Emb	arcadero	in L. Bastian				
San Francisco, CA 94111 NAME					,774	

EXPRESS MAIL NO. EL394871069US

DATE OF DEPOSIT: May 22, 2000

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents, Washington, D. C. 20231.

By: Suniforth

Attorney Docket No. 015280-342100PC

Enclosures: Form PTO-1390

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09/554960 J26 Rec d PCT/PTO 22 MAY 2000

The PTO did not receive the following isted item(s)

NO POST CARD